

# HFT1

THREE PHASE 400 Vac



## MAIN APPLICATIONS



## SUITABLE BATTERIES

Wet lead acid - PzS

GEL – AGM – VRLA – PzV

Lithium (on demand)

## MODELS AVAILABLE

V	A	VAC	CODE	Lead acid (Ah)		Gel (Ah)	lac
				7-8h	10-11-14h	12-14h	Current draw
24	80	3x400	<b>HFT1 24/80</b>	440-508	609-677-816	543-677	4,10
24	100	3x400	<b>HFT1 24/100</b>	549-635	762-846-1020	679-846	5,10
24	120	3x400	<b>HFT1 24/120</b>	659-762	914-1015-1224	814-1015	6,10
48	80	3x400	<b>HFT1 48/80</b>	440-508	609-677-816	543-677	8,00
48	100	3x400	<b>HFT1 48/100</b>	549-635	762-846-1020	679-846	10,00
48	120	3x400	<b>HFT1 48/120</b>	659-762	914-1015-1224	814-1015	12,00
80	60	3x400	<b>HFT1 80/60</b>	330-381	457-508-612	407-508	9,80
80	80	3x400	<b>HFT1 80/80</b>	440-508	609-677-816	543-677	13,10
80	100	3x400	<b>HFT1 80/100</b>	549-635	762-846-1020	679-846	15,50

Special versions 36V, 72V, 96V and 120V available on demand  
In between output current sizes available Air mix Ah= +10%

## PRODUCT INTRO

HFT1 is the three phase HF charger equipped with integrated OLED/LCD display and USB interface.

It is the enhanced version of our standard HFT. Output/input cables have one-side outlets complete with cable glands.

The charger is declined into HFT1 AIR and HTC (CAN-bus version).



## GENERAL CHARACTERISTICS

<b>Mains</b>	400V (3ph) +/-10% 50-60Hz
<b>Visual signalling</b>	OLED display, 4 LEDs and 4 operational keys
<b>Charger setting</b>	By OLED display: current, capacity and 7 pre-set charging profiles By laptop/USB port: enhanced programming
<b>Data memory</b>	Charger gives a report of the last 50 cycles and key technical data by integrated USB door
<b>Cool-down system</b>	Temperature-regulated fan speed. Fan idle within 40°C internal components temperature
<b>Efficiency</b>	> 90%
<b>Operating temperature</b>	0° to +40°C full power
<b>Certifications</b>	CE in conformity with LV and EMC protocols

## SAFETY FEATURES

<b>Input protection</b>	3 AC fast fuses
<b>Output protection</b>	Ultrafast fuse (reverse polarity protection)
<b>Thermal Protection</b>	Probes on IGBT and diodes + derating
<b>Protection during battery disconnection</b>	Safety cut off by undervoltage

## OPTIONALS

<b>Stand alone</b>	Charger iron stand
<b>Stand alone/wall mounted</b>	Cable holder
<b>On board/stand alone/wall</b>	Additional extra coating, air mix pump, pilot contact, charger status lamp, dV/dt profiles

## MECHANICAL CHARACTERISTICS

<b>Dimensions</b>	416 (w) 131 (h) 549 (l) mm
<b>Protection degree</b>	IP 21 (vertical)
<b>Weight</b>	18 kg
<b>Input cable</b>	2,5 m +/- 10% (length) - AC plug on demand
<b>Output cables</b>	2,5 m +/- 10% (length) - DC plug on demand